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LEXINGTON, MA 02173

Note attached communication from the Examiner

This notice is issued in view of applicant's communication filed _____

**NOTICE OF ALLOWANCE
AND ISSUE FEE DUE**

SERIES CODE/SERIAL NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
First Name 07/697,830 Applicant	05/09/91	017	LOKE, S	2508 04/03/92

TITLE OF INVENTION HUANG, JOHN C.

HIGH ELECTRON MOBILITY TRANSISTOR (AS AMENDED)

	ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEES DUE	DATE DUE
2	35441	357-022.000	B64	UTILITY	NO	\$1130.00	07/06/92

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS
APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

HOW TO RESPOND TO THIS NOTICE:

I. Review the SMALL ENTITY Status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the Status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the Status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by a charge to deposit account, Part B should be completed and returned. If you are charging the ISSUE FEE to your deposit account, Part C of this notice should also be completed and returned.

III. All communications regarding this application must give series code (or filing date), serial number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees.



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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
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07/697,830 05/09/91 HUANG

J 35441
EXAMINER

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LEXINGTON, MA 02173

LOKE, S

ART UNIT	PAPER NUMBER
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4 JB

2508
DATE MAILED:

04/03/92

NOTICE OF ALLOWABILITY

PART I.

- This communication is responsive to amendment filed on 1/10/92
- All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
- The allowed claims are 1-17
- The drawings filed on _____ are acceptable.
- Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has [] been received. [] not been received. [] been filed in parent application Serial No. _____, filed on _____.
- Note the attached Examiner's Amendment.
- Note the attached Examiner Interview Summary Record, PTOL-413.
- Note the attached Examiner's Statement of Reasons for Allowance.
- Note the attached NOTICE OF REFERENCES CITED, PTO-892.
- Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

PART II.

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
- APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.
 - Drawing informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. 2. CORRECTION IS REQUIRED.
 - The proposed drawing correction filed on _____ has been approved by the examiner. CORRECTION IS REQUIRED.
 - Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.
 - Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

Attachments:

Examiner's Amendment
 Examiner Interview Summary Record, PTOL- 413
 Reasons for Allowance
 Notice of References Cited, PTO-892
 Information Disclosure Citation, PTO-1449

Notice of Informal Application, PTO-152
 Notice re Patent Drawings, PTO-948
 Listing of Bonded Draftsmen
 Other

Rolf Hille
ROLF HILLE
SUPERVISORY PATENT EXAMINER
ART UNIT 250

Serial No. 07/697830

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Art Unit 2508

An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the Issue Fee.

Authorization for this Examiner's Amendment was given in a telephone interview with Denis G. Maloney on 3/9/92.

In page 12, line 22 and page 13, line 17 of the specification, change "a" to --an n type--.

Claim 1, line 15, after "transistor", insert --,--.

Claim 2, line 5, after "material", insert --,--.

Claim 5, line 27, claim 6, line 3, claim 14, line 24, change "portion" to --region--.

Claim 5, lines 20 and 23, change "second" to --first--.

Claim 5, line 29 and claim 6, line 6, change "layers" to --regions--.

Claim 10, line 10, change "a relatively lightly doped" to --an undoped--.

Claim 15, line 3, change "first" to --third--.

Any inquiry concerning this communication should be directed to Lake at telephone number (703) 308-4920.

Serial No. 07/697830

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Art Unit 2508

Rolf Hille
ROLF HILLE
SUPERVISORY PATENT EXAMINER
ART UNIT 2508

sl
March 09, 1992 *R. L.*